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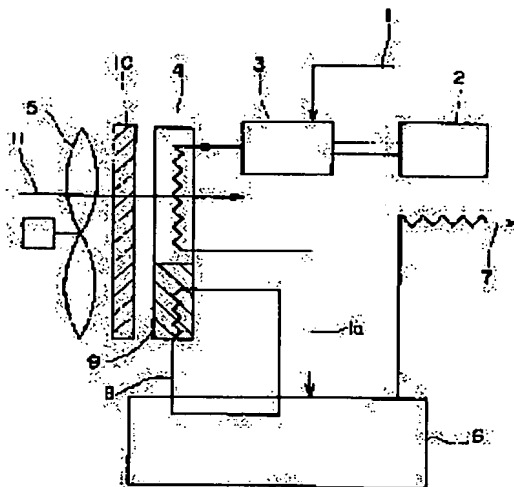
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## (54) FUEL CELL AUTOMOBILE

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To excellently arrange radiators for reducing a size of a fuel cell automobile, in which supply of a compressed air controlled to be about 80° C to a mounted fuel cell main body is necessary, and air-cooled after-cooler is required as a discharge air temperature from an air compressor reaches about 200° C, while a radiator for cooling the fuel cell main body and car-cooler capacitor are also required.

**SOLUTION:** The air-cooled after-cooler 4 for cooling high temperature air from the air compressor 3 and the fuel cell cooling radiator 9 are integrated together and arranged on the cooling air downstream side of the car-cooler capacitor 10. A single cooling fan 5 can be used in common for these radiators. Consequently, a heat radiation system of the fuel cell automobile is reduced in size and weight, and fuel cell automobile can be provided at a low cost.



1 : 外部空気を 7 : 燃料  
 10 : 車冷キャパシタ 8 : 燃料セル  
 2 : 空気圧縮機 9 : 燃料セル冷却用ラジエータ  
 4 : 空冷式アフタークーラ 10 : 車冷キャパシタ  
 5 : 冷却ファン 11 : 外部へ排気  
 6 : 燃料電池本体

## LEGAL STATUS

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